

Inventors: Wellington et al.
Appl. Ser. No.: 09/841,444
Atty. Dkt. No.: 5659-02300

Marked-Up Copy Of Amendments Submitted With
Supplemental Amendment

2178. (amended) The method of claim 2156, wherein the produced mixture comprises a non-condensable component, wherein the non-condensable component comprises hydrogen (H_2), wherein the hydrogen is greater than about 10 % by volume of the non-condensable component at 25 °C and one atmosphere absolute pressure, and wherein the hydrogen is less than about 80 % by volume of the non-condensable component at 25 °C and one atmosphere absolute pressure.

2181. (amended) The method of claim 2156, further comprising controlling a pressure within at least a majority of the first or the second section of the formation, wherein the controlled pressure is at least about 2.0 bar absolute.

2185. (amended) The method of claim 2156, further comprising:
providing hydrogen (H_2) to the first or the second section to hydrogenate hydrocarbons within the first or the second section; and
heating a portion of the first or the second section with heat from hydrogenation.

5398. (amended) A method of treating a hydrocarbon containing formation in situ, comprising:

heating a first section of the formation to produce a mixture from the formation;
heating a second section of the formation;
controlling a pressure and a temperature within at least a majority of the first or the second section of the formation, wherein the pressure is controlled as a function of temperature, or the temperature is controlled as a function of pressure; and
introducing a portion of the produced mixture from the first section into the second section of the formation to provide a reducing environment within the second section of the formation.

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B. Terminal Disclaimer

The Examiner requested a terminal disclaimer over co-pending application 09/841,445 and over co-pending application 09/841,288. Applicant does not believe that a terminal disclaimer is needed for the present application and the above noted application, but in the interest of expediency, a terminal disclaimer for the applications is provided as an accompanying document.

C Additional Comments

Applicant submits that all claims are in condition for allowance. Favorable reconsideration is respectfully requested.

A Fee Authorization is enclosed to cover the cost of the accompanying terminal disclaimer. It is believed that no other fees are due. If an extension of time is required, Applicant hereby requests the appropriate extension of time. If any additional fees are required or if any fees have been overpaid, please appropriately charge or credit those fees to Shell Oil Co. Deposit Account Number 19-1800/TH1948.

Respectfully Submitted,



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Date: May 12, 2003